Application with food database

Description

You are given the cereal.csv dataset, containing 77 lines, with information about different kinds of cereals.

Your task is to develop an application, which would enable a user to access the database and find a certain kind of cereals there, as well as to delete records about cereals and add new ones.

Dataset

The dataset can be obtained via this link.

Searching system

The application should have a filter for each of the parameters, like "Manufacturer", "Type", "Calories" and so on.

Editing system

Though making changes in the dataset manually is not allowed, the user should be able to add a new record of a cereal, as well as delete or edit an existing one. The dataset can be changed during the application's work.
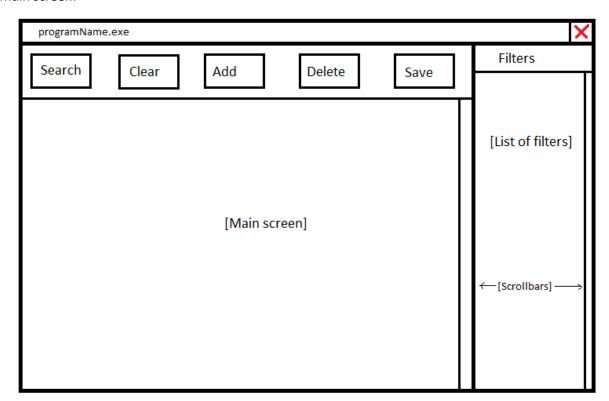
GUI

The application should have the following windows:

1. The login/verification window;
2. Loading screen – in case it is necessary;
3. Main window with information about dataset and searching interface;
4. Window for adding a new record/modifying an existing one.

You can design any logo you like and position in in the top left corner of the application.

Main screen:

programName.exe   ✕

| Search | Clear | Add | Delete | Save |

Filters

[Main screen]

[List of filters]

⟵ [Scrollbars] ⟶

Add/modify screen:

✕

[List of parameters
with fields to fill]

[Scrollbar] ⟶

Save changes

Go back